

CLAIM AMENDMENTS

1. (currently amended) An electrical assembly comprising a transformer and translucent electrically insulating permanent cover therefor, to transmit heat generated by the transformer outwardly, wherein the cover has a shape substantially the same as the transformer.
2. (previously presented) An assembly as claimed in claim 1 wherein the cover is transparent.
3. (previously presented) An assembly as claimed in claim 1 wherein the transformer comprises a transparent bobbin on which a core for the transformer and transformer windings are provided.
4. (previously presented) An assembly as claimed in claim 1 wherein the cover is in the form of a skin.
5. (previously presented) An assembly as claimed in claim 4 wherein the skin comprises a transparent outer shell of a rigid material and a layer of transparent filling material provided between the shell and the transformer.
6. (previously presented) An assembly as claimed in claim 5 wherein the shell comprises first and second body halves fitted together to form the shell.
7. (previously presented) An assembly as claimed in claim 4 wherein the skin comprises outwardly extending protrusions, to provide a clearance between the skin and a surface on which the assembly is mounted in use.
8. (previously presented) An assembly as claimed in claim 1 wherein the cover comprises a plurality of pins for mating with and making electrical contact with a conventional socket arrangement.

9. (previously presented) An assembly as claimed in claim 8 wherein the transformer forms part of power supply circuitry, the power supply circuitry comprising a first output which is accessible through the cover.
10. (previously presented) An assembly as claimed in claim 9 wherein the power supply circuitry comprises a second output which is in parallel with the first output and also accessible through the cover.
11. (previously presented) An assembly as claimed in claim 9 wherein the circuitry comprises a fuse and the fuse is provided in a recess in the cover.
12. (previously presented) An assembly as claimed in claim 11 wherein the cover comprises a lid for opening and closing the recess.
13. (currently presented) A method of forming an electric assembly, the method comprising the steps of:
 - providing a transformer; and
 - permanently enclosing the transformer in a translucent electrically insulating cover having a shape substantially the same as the transformer which, in use, transmits heat generated by the transformer.
14. (previously presented) A method as claimed in claim 13 wherein the transformer is enclosed by locating the transformer in a rigid transparent shell.
15. (previously presented) A method as claimed in claim 14 wherein the transformer is located by providing a rigid transparent shell having a shape substantially the same as the general shape of the transformer; mounting the transformer in the shell so that a small clearance is

defined between substantially a whole of an outer surface of the transformer and the shell;
and filling the clearance with a transparent electricity insulating material.

16. (currently amended) [[The]] An electrical assembly comprising an electrically insulating, translucent, heat conducting cover encapsulating a transformer, wherein the cover has a shape substantially the same as the transformer.
17. (previously presented) The assembly of claim 16 wherein the cover is transparent.
18. (previously presented) The assembly of claim 16 wherein the encapsulation comprises fitting a cover around the transformer and filling clearances between the cover and the transformer with a layer of translucent, electrically insulating filling material.
19. (previously presented) The assembly of claim 18 wherein the filling material is heat conducting.
20. (previously presented) The assembly of claim 1 wherein the permanent cover encapsulates the transformer, wherein the encapsulation comprises fitting the cover around the transformer and filling clearances between the cover and the transformer with a layer of translucent, electrically insulating filling material.